This listing of the claims will replace all prior versions and listings of the claims in the application.

Listing of the Claims:

Claims 1-13 (canceled)

14. (Currently Amended) Gas monitoring apparatus comprising a sensor module and a display module,

the sensor module comprising:

a first housing;

at least one gas sensor in the first housing;

measurement means in the first housing responsive to said at least one gas sensor to generate an output indicative of a measured gas concentration; and

a wireless transmitter in the first housing arranged to transmit signals indicative of the measured gas concentration;

the display module comprising:

a second housing;

a wireless receiver in the second housing arranged to receive the signals indicative of the measured gas concentration; and

a display supported by the second housing for displaying the measured gas concentration,

wherein the first and second housings are connectable releasably together but are electrically isolated from one another, so that the apparatus can be operated with the display module and the sensor module connected together or physically separated, and

wherein the sensor module is arranged to transmit standard data signals to the display module when a gas concentration is detected which is below a threshold level, and to transmit a broadcast signal to the display module and a plurality of other ones of the display modules, that are identical to the display module, when a gas concentration is detected exceeding the threshold level, thereby to provide a general warning function.

15. (Previously Presented) Gas monitoring apparatus according to claim 14 wherein the transmitter in the first housing and the receiver in the second housing are a radio transmitter and receiver.

16. (Previously Presented) Gas monitoring apparatus according to claim 15 wherein the transmitter and receiver employ spread spectrum techniques.

17. (Previously Presented) Gas monitoring apparatus according to claim 14 which is battery powered, by respective batteries in the first and second housings.

18. (Previously Presented) Gas monitoring apparatus according to claim 17 wherein the batteries are rechargeable, at least the first housing being provided with terminals receivable in a charger to charge the battery or batteries in both housings.

19. (Previously Presented) Gas monitoring apparatus according to claim 18 which is arranged so that the battery or batteries in the first housing are charged simultaneously with the battery or batteries in the second housing when the two housings are connected together.

20. (Previously Presented) Gas monitoring apparatus according to claim 19 wherein energy transfer means are provided on the respective housings to transfer sufficient energy from the first housing to the second housing to charge the battery or batteries in the second housing, without requiring electrical contact between the housings.

21. (Previously Presented) Gas monitoring apparatus according to claim 20 wherein a light source is provided in the first housing, arranged to be activated when the first housing is received in a charger, and a photovoltaic cell is provided on the second housing, the light source and the photovoltaic cell being located adjacent one another when the two housings are connected.

Claim 22 (Canceled).

23. (Currently Amended) Gas monitoring apparatus according to claim 14 wherein the measurement means in the sensor module defines ~~a gas concentration~~ the threshold level, data signals indicating a gas concentration exceeding the ~~gas concentration~~ threshold level being transmitted as the broadcast signal[[s]].

24. (Previously Presented) Gas monitoring apparatus according to claim 23 wherein the measurement means is adjustable to permit the gas concentration threshold to be adjusted.

25. (Previously Presented) Gas monitoring apparatus according to claim 14 wherein either the sensor module can be designated as a master module that controls a communication protocol between itself and a plurality of display modules, or vice versa.

26. (Previously Presented) Gas monitoring apparatus according to claim 14 wherein the display module transmits the signals indicative of the measured gas concentration to at least one reader.

27. (Currently Amended) Gas monitoring apparatus according to claim 14 wherein the broadcast signal has a greater signal strength than [[a]] the standard data signals.

28. (Previously Presented) Gas monitoring apparatus according to claim 14 wherein the broadcast signal is encoded with data identifying it as a broadcast message.